WHAT USEFUL ON ANATOMY EDUCATION GIVE US THE PANDEMIC?

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The COVID-19 pandemic outbreak was followed by the imposition of restrictive measures, resulting in the suspension of the Universities, worldwide. Remote medical education has developed as the only available option (Singal et al. 2020a). In Anatomy, it is practically impossible to substitute the gold standard teaching method, for over four centuries, (Singal et al. 2020b), the cadavers’ dissection (Ooi and Ooi, 2020; Ortadeveci et al. 2021). In Greece, the Anatomy and Surgical Anatomy Department of the Medical School of the Aristotle University of Thessaloniki (AUTH) substituted the “face to face” cadavers’ dissection courses with online cadavers’ dissection videos courses after taking into consideration the auxiliary role of the videos used in anatomy learning (in students’ interaction and active engagement) (Topping, 2014; Choi-Lundberg et al. 2016; Singal et al. 2020a). The teaching novelty is mainly focused on the live presentation of cadavers’ dissection videos with comments and chatting with students on the dissection findings. All videos with the recorded narration and discussion were available to download, in an effort to give students the opportunity to become familiar with the cadavers’ dissection steps (Fig.1). An online questionnaire-based study was performed in the Anatomy and Surgical Anatomy Department of AUTH, focusing on the impact of pandemic in anatomy education. The vast majority of students supported that the cancel-lation of cadavers’ dissection labs negatively affected their education. Students’ responses provided the necessity of the presentation of a cadaveric dissection video with a detailed description of the dissected structures, even after the end of the pandemic and the restart of the “face to face” cadavers’ dissection courses, as supplementary material of the on-site cadavers’ dissection lectures (Fig.2). Several authors (Estai and Bunt, 2016; Wenger and Berray, 2006; Ghosh, 2017) highlighted the students’ preference for an interactive teaching and learning based on a synchronous narration of a cadaveric dissection video with real time dialogue and students’ active engagement in the learning procedure. Ozer et al. (2017) similarly to Langfeld et al. (2018) concluded that the video-assisted students’ learning increased the self-motivation, via the videos accessibility at any time. Cadavers’ dissection remains the most preferred and effective teaching modality. Given its paramount importance in anatomy education, a new modality is proposed with the cadavers’ dissection videos use, as an alternative teaching tool to the cadavers’ dissection laboratory practice (Styers et al. 2018; Nation et al. 2020). The new modality will help the better comprehension of the dissected structures, particularly in complex areas, and the active learning during the cadavers’ dissection process.
In conclusion, COVID-19 pandemic created the need for novel teaching modalities, particularly in the cadavers’ dissection process. Undoubtedly, cadavers’ dissection is irreplaceable. The editorial highlights the supplementary online use of the cadavers’ dissection videos, as a new modality to assist the cadavers’ dissection training. The proposed teaching tool should be further developed in order to become a sustainable way of assisting cadavers’ dissection by enhancing the involvement of both teaching staff and students.

REFERENCES


